

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (currently amended) A method for obtaining human erythropoietin comprising (a) culturing mammalian cells which express recombinant human erythropoietin in cell expansion culture medium and (b) culturing said mammalian cells which express recombinant human erythropoietin in culture medium comprising insulin, wherein said cell expansion medium and said medium containing insulin contain less than 2 grams per liter of glucose.
2. (original) The method of claim 1, wherein said cells are selected from the group comprising CHO, COS, BHK, Namalwa, and HeLa.
3. (original) The method of claim 2, wherein said cells comprise CHO cells.
4. (currently amended) The method of claim 1, wherein said culture medium (b) comprises greater than 1 mg insulin per liter of culture medium.
5. (currently amended) The method of claim 1, wherein said culture medium (b) comprises less than 20 mg insulin per liter of culture medium.

6. (currently amended) The method of claim 1, wherein said culture medium (b) comprises fetal calf serum-free media.

7. (currently amended) The method of claim 1, further comprising:
(c)(b) separating supernatant comprising EPO and insulin from step (b)(a) from cells;
(d)(e) concentrating supernatant of step (c)(b); and
(e)(d) freezing concentrated product of step (d)(e).

8. (currently amended) The method of claim 7, wherein media is added to separated cells of step (c)(b) and said cells are cultured.

9. (currently amended) The method of claim 7, wherein supernatant of said step (c)(b) is concentrated approximately 50 to 150 fold.

10. (currently amended) The method of claim 7, wherein supernatant of said step (c)(b) is concentrated about 100 fold.

11. (currently amended) The method of claim 7, wherein said step (d)(e) comprises using a tangential filtration system through membranes with a molecular weight cut-off of about 3,000 Daltons.

12. (currently amended) The method of claim 7, further comprising (f)(e) sterile filtering the concentrated product of step (e)(d) through membranes with pores of diameters of about 0.2 μ m 0.2 mm.

13. (new) The method of claim 1, wherein said culture medium (b) comprises about 10 mg insulin per liter of culture medium.

14. (new) The method of claim 1, wherein said culture medium (b) consists of Dulbecco's modified Eagle's medium (DMEM), HAM F12 medium, NaHCO₃, sugars, ethanolamine, sodium pyruvate and insulin.